BRUHATH BENGALORE MAHANAGARA PALIKE

ame of work:Improvements to roads and drains at Sai Nagara 2 and Surrounding Area In
ard No.03

Estimated Cost:65.00 Lkahs

	Description of Items	No	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Rate	Amount
	KSRRB 300-3. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **(Page No. 142/ Item No. 19.1/ PWD SR 2018-19)**								
	Sai Nagara								
	For RCC Drain								
	3rd cross	1	63.00	1.10	1.00	69.30			
	4th cross	2	57.00	1.10	1.00	125.40			
	6th cross	2	90.00	1.10	1.00	198.00			
	8th cross	2	101.00	1.10	1.00	222.20			
	9th cross	2	105.00	1.10	1.00	231.00			
	For RCC Culvert								
	3rd cross	1	7.10	2.00	1.00	14.20			
						860.10	**Cum**	**220.40**	**189566.04**
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Lead For Earth 10km	25.60							
	Area Weightage 6%	7.80							
	Data Rate	**220.40**							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222,I No-27.18 PWD SR 2018-19)**								
	Sai Nagara								
	For RCC Drain								
	3rd cross	1	63.00	1.10	0.15	10.40			
	4th cross	2	57.00	1.10	0.15	18.81			
	6th cross	2	90.00	1.10	0.15	29.70			
	8th cross	2	101.00	1.10	0.15	33.33			
	9th cross	2	105.00	1.10	0.15	34.65			
	For RCC Culvert								
	3rd cross	1	7.10	2.00	0.15	2.13			
						129.02	**Cum**	**5509.33**	**710785.78**
	Basic Rate	5115.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	**5197.48**							
	Area Weightage 6%	311.85							
	Grand Total	**5509.33**							

	Description of Items	No	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Rate	Amount
	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm **(I No-37.59.2,P No-271 PWD SR 2018-19)**								
	Sai Nagara								
	For RCC Drain								
	For Bottom Raft								
	3rd cross	1	63.00	0.90	0.15	8.51			
	4th cross	2	57.00	0.90	0.15	15.39			
	6th cross	2	90.00	0.90	0.15	24.30			
	8th cross	2	101.00	0.90	0.15	27.27			
	9th cross	2	105.00	0.90	0.15	28.35			
	For RCC Culvert								
	3rd cross	1	7.10	1.60	0.20	2.27			
	For Wall								
	3rd cross	2	63.00	0.15	0.75	14.18			
	4th cross	4	57.00	0.15	0.75	25.65			
	6th cross	4	90.00	0.15	0.75	40.50			
	8th cross	4	101.00	0.15	0.75	45.45			
	9th cross	4	105.00	0.15	0.75	47.25			
	For RCC Culvert								
	3rd cross	2	7.10	0.30	0.60	2.56			
						281.67	**Cum**	**7189.42**	**2025029.05**
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	**6782.47**							
	Area Weightage 6%	406.95							
	Grand Total	**7189.42**							
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 **(I No-28.8.2,P No-229 PWD SR 2018-19)**								
	Consider 65kg/Cum for RCC drain	1	276.84	65.00		18022.28			
	Consider 90kg/Cum for RCC Culvert	1	4.83	90.00		434.52			
						18.46	**Tonne**	**65046.90**	**1200557.88**
	Issued rate	61365.00							
	Area Weightage 6%	3681.90							
	Data Rate	**65046.90**							

	Description of Items	No	Length (m)	Width (m)	Depth (m)	Quantity	Unit	Rate	Amount
	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.**(Data Rate)**								
	Sai Nagara								
	For RCC Drain								
	3rd cross	1	63.00	0.90		56.70			
	4th cross	2	57.00	0.90		102.60			
	6th cross	2	90.00	0.90		162.00			
	8th cross	2	101.00	0.90		181.80			
	9th cross	2	105.00	0.90		189.00			
						692.10	**Sqm**	**2337.00**	**1617437.70**
	Data Rate	**2337.00**							
6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. **(Data Rate)**								
	Sai Nagara								
	For RCC Culvert								
	~~3rd cross~~	1	7.10	1.50		10.65			
						10.65	**Sqm**	**5418.00**	**57701.70**
	Data Rate	**5418.00**							
								Total Construction Cost	**5801078.15**
								GST Charges 12%	**696129.38**
								Sub Total	**6497207.53**
								Utility Shifting,Miscellaneous and Rounding off	**2792.47**
								GRAND TOTAL	**6500000.00**

Rupees Sixty Five Lakh(s) Only

Administrative Sanction for Rs. ....65..00..lakhs
sixty five lakhs only
is accorded under head P-2178 works.
Sanctioned by Dy. mayor Gen
2020-21
Registered as CE No ..... subject
to conditions contained in enclosed memo
No. EE(YNK.D/49/2020-21 Dr. 17.11.2020

Certificate

1) This Work Comes Within BBMP Limits.
2) Certified that personaly Inspected the Work Spot.
3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 & issued rate Dated. 01/07/2020
4) ~~Estimate is Prepared Making Use of essential item~~of work as per site conditions in safest way of Execution in most economical way
5) This work is not include in any other program of work.

Executive Engineer

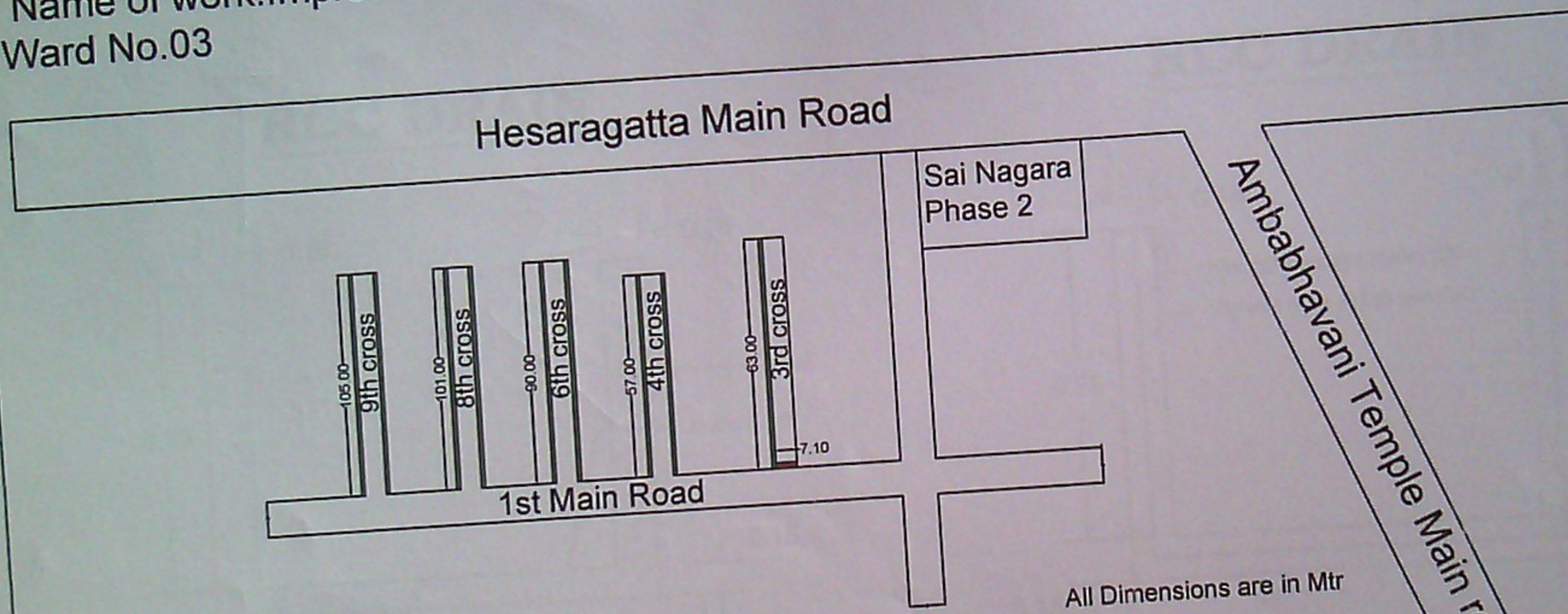
Asst. Executive Engineer
Yelahanka Satellite town Sub division

Assistant Engineer
Ward No.03

Executive Engineer
Yelahanka Division

Rs. 65,00,000/-
SIXTY FIVE LAKHS ONLY
P-2178
Job Code No. 003-21-00038
Registered as SE(Y)/TS/ 45 / 20-21 subject
to conditions contained in enclosed memo
No. 45 / 20-21 Dated: 24/11/2020
24/11/2020
SE(Yelahanka)

Name of work:Improvements to roads and drains at Sai Nagara 2 and Surrounding Area In Ward No.03



All Dimensions are in Mtr

Index:

—RCC Drain

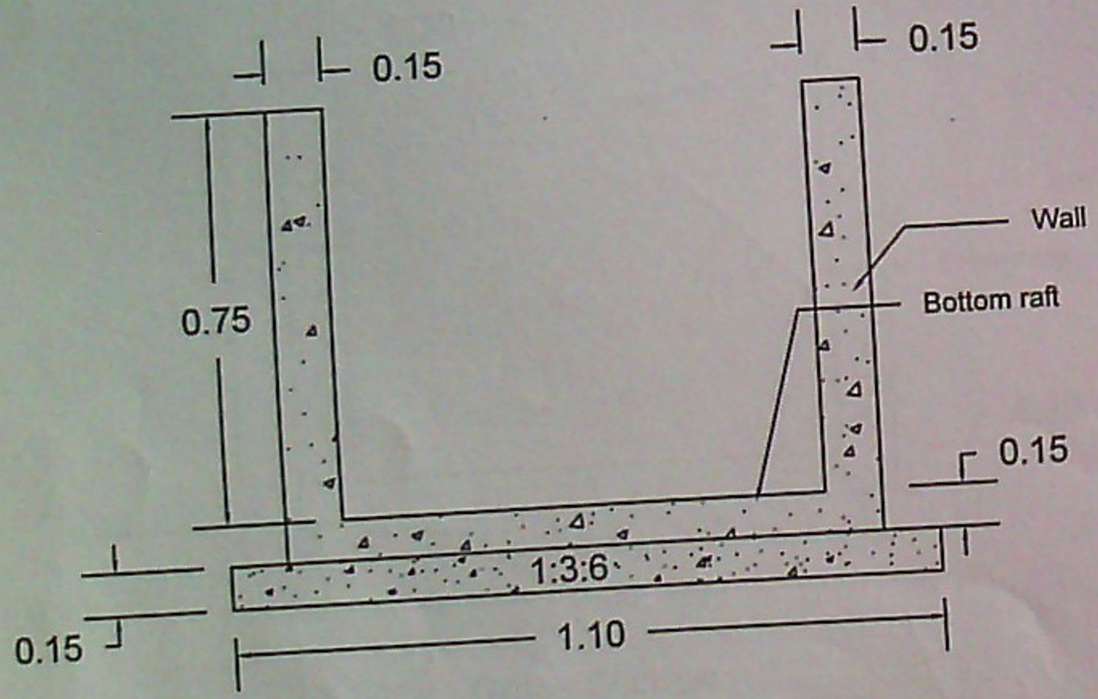
—RCC Culvert

Assistant Engineer
Ward No.03

Assistant Executive Engineer
Yalahanka Satelite Town Sub Division

Name of Work:-Improvements To Roads And Drains At Sai Nagara 2 and Surrounding Area In Ward No.03

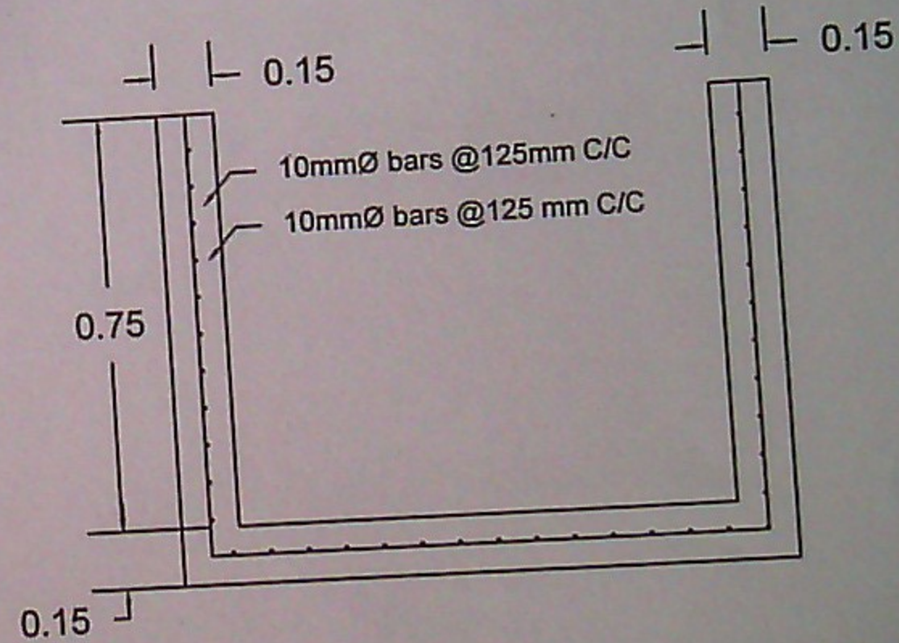
RCC DRAIN



Cross Section

Asst. Engineer
Ward No.03

RCC DRAIN



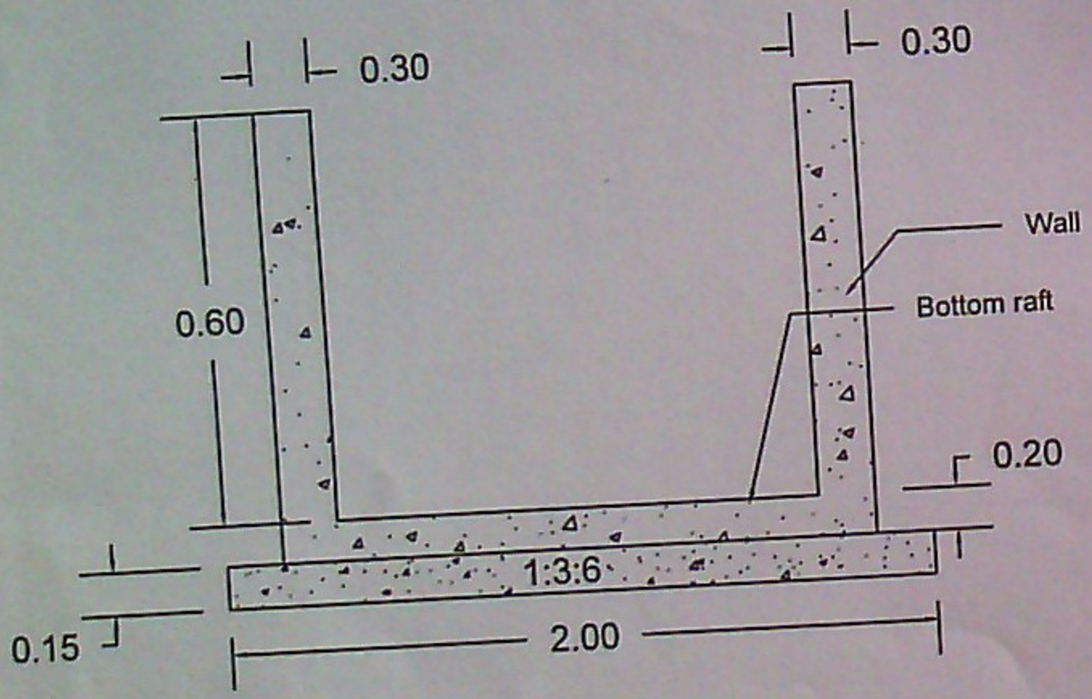
Cross Section

Asst. Executive Engineer
Yelahanka Sub Division

All Dimensions in Meters

Name of Work:-Improvements To Roads And Drains At Sai Nagara 2 and Surrounding Area In Ward No.03

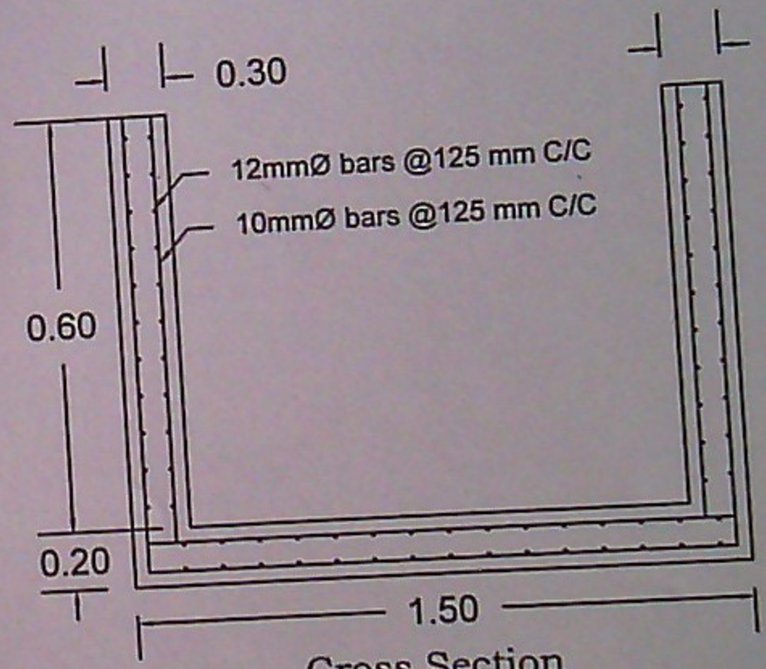
RCC CULVERT



Cross Section

Asst. Engineer
Ward No.03

RCC CULVERT



Cross Section

Asst. Executive Engineer
Yelahanka Sub Division

All Dimensions in Meters